

**REMARKS**

Reconsideration and allowance of the above-identified application are respectfully requested. Claims 2-27 are now pending, wherein claims 3-13 have been amended, and claims 26 and 27 have been added. Claims 1 and 2 have been canceled.

The Office Action indicates that non-English language documents AQ and AR cited in the Information Disclosure Statement filed on March 5, 2003 have not been considered because a concise explanation of relevance has not been provided for these documents.

As stated on the first page of the Information Disclosure Statement filed on March 5, 2003, Applicant submitted a copy of a foreign Search Report to satisfy the concise explanation of relevance requirement under 37 C.F.R.

1.98(a)(3). As discussed in M.P.E.P. § 609 III. A(3), such a search report satisfies the concise explanation of relevance requirement under 37 C.F.R. 1.98(a)(3).

Accordingly, Applicant requests that the references cited in the Information Disclosure Statement filed on March 5, 2003 be considered. For the Examiner's convenience, Applicant has enclosed a copy of the Information Disclosure Statement and form PTO-1449 filed on March 5, 2003. Applicant respectfully requests that the Examiner indicate the consideration of the references by returning an initialed copy of the attached form PTO-1449.

The Office Action indicates that the amendments to the Specification as specified in the Amendment filed on September 29, 2005 have not been entered because the amendments allegedly contained new matter. Specifically, the Office Action objects to the amendments to pages 5 and 11 of the Specification. The Applicant respectfully traverses this objection.

As an initial matter, is respectfully submitted that non-entry of the amendments to the Specification is improper. As discussed in M.P.E.P. § 608.04, amendments involving new matter should be entered, and the Examiner should object to the amendments under 35 U.S.C. § 132. Accordingly, even if it is assumed that the amendments to the Specification include new matter, these amendments should be entered.

Nevertheless, Applicant respectfully submits that the amendments to the Specification are not new matter, but merely a rephrasing and/or are based on subject matter inherently disclosed in the application as filed, which as discussed in M.P.E.P. § 2163.07 is not new matter.

Page 5 of the Specification, as amended, states that “on the data included in the block(s) not notified, the corresponding previous data stored in the data receiving component are used.” This amended portion of the Specification relates to the second communication mode. The second mode of communication is a block mode and is described on pages 11-12 and illustrated in Figure 2(b). As discussed on page 12, lines 12-15,

[i]f data transmissions based on the block mode occurs as shown in Fig. 2(b), it indicates changes are introduced in the blocks 3 and 0, but the other blocks remain unchanged. When data transmission occurs based on the block mode, changed data will be delivered one after another.

The operation of the data reception controller illustrated in Fig. 11 in the block mode is described on page 26, lines 12-20. This section describes that the data reception controller “stores in the block memory, the block information notifying whether or not data for each block should be written into memory.” (Page 26, lines 13-15). This section goes on to describe that “the data reception controller stores the data corresponding to the relevant block in descending order of block in the data register portion, by referring to the block information stored in the block memory.” (Page 26, lines 16-20).

Accordingly, the Specification as filed makes clear that in the block mode only the changed blocks are transmitted and that the data reception controller necessarily uses previously stored information in the data register portion along with the transmitted data. Therefore, the amendments to page 5 of the Specification is merely rewording various parts of the application as filed and/or making explicit what is inherent in the application as filed.

Page 11 of the Specification, as amended, states that “[a]t this time, since the data in the other blocks are not changed, the data in the other blocks will not be transmitted ... and the object of the present invention to improve the transfer speed can be achieved.” As discussed above, the application as filed makes clear

that the transmitter indicates changes to the receiver and that “[w]hen data transmission occurs based on the block mode, changed data will be delivered one after another.” (Page 12, lines 15-17). Moreover, page 12, line 23 - page 13, line 6 of the application as filed clearly describes that the block mode shortens transmission time compared to the full mode. Accordingly, it is respectfully submitted that the amendment to page 11 of the Specification is not new matter.

Accordingly, Applicant respectfully submit that the amendments to pages 5 and 11 of the Specification contain no new matter, and are, therefore, proper.

The Specification is also objected to for minor informalities. The Specification has been amended to correct the typographical errors identified by the Office Action. Accordingly, withdrawal of the objections to the Specification are respectfully requested.

The Office Action rejects claims 1-4, 7-9 and 14-25 under 35 U.S.C § 112, first paragraph, for failing to comply with the written description requirement. Specifically, the Office states that the Specification doesn’t describe “block(s) not notified,” as recited in these claims. This rejection is respectfully traversed.

As discussed above with regard to the new matter objection to the Specification, the application as filed clearly supports a receiver using previously stored data for “block(s) not notified.” Accordingly, Applicant respectfully

requests that the rejection of claims 3-4, 7-9 and 14-25 under 35 U.S.C § 112, first paragraph be withdrawn.

The Office rejects claims 1-5, 7-12, 14-16 and 20-22 under 35 U.S.C. § 112, second paragraph. This ground of rejection is respectfully traversed.

Claims 1-4 and 7-9 are rejected because they allegedly fail to set forth any steps involved in the method/process, and the claim is allegedly indefinite because it merely recites a use without any active, positive steps delimiting how this use is actually practiced. Although Applicant respectfully traverses this rejection, in the interest of expediting prosecution of this application Applicant has cancelled claim 1, and added new claim 26 from which claims 3, 4 and 7 now depend.

Claims 2, 4, 7 and 9 are rejected as allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Accordingly, claim 2 has been cancelled and new claim 27 has been added from which claims 4, 7 and 9 now depend in order to address this ground of rejection.

Claims 5, 10-11 and 14-16 are rejected as allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, the Office Action rejects claim 5 for the recitation of "in the least number of clock signals." Claim 5 has been

amended to recite "in the least number of clock signal level transitions." Support for this Amendment can be found at least in figures 2(a) - 2(c) which clearly show that there is a single clock signal SC used to transfer data regardless of which transmission mode is used, and that the number of level transitions of clock signal SC varies depending on which transmission mode is used. Accordingly, it is respectfully submitted that claims 5, 10-11 and 14-16 are now sufficiently definite.

Claims 12 and 20-22 are rejected for allegedly being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, the Office Action rejects claim 12 for the recitation of a "number of clock signals." Claim 12 has been amended to recite a "number of clock signal level transitions." Accordingly, it is respectfully submitted that claims 12 and 20-22 are now sufficiently definite.

Although Applicant respectfully submits that the recitation of clock signals is sufficiently clear and definite in claims 5, 10-12, 14-16 and 20-22, Applicant is amending these claims solely for purposes of expediting prosecution.

For at least those reason stated above, Applicant respectfully requests that the rejection of claims 1-5, 7-12, 14-16 and 20-22 under 35 U.S.C. § 112, second paragraph be withdrawn.

The Office Action rejects claims 5, 6 and 10-13 under 35 U.S.C § 102(b) as anticipated by U.S. Patent No. 5,376,968 to Wu et al. ("Wu"). This rejection is respectfully traversed.

Wu does not anticipate Applicant's claim 5, as amended, because Wu does not disclose or suggest all the elements of Claim 5. For example, Wu does not disclose "a *serial* data transmitting component," or "a clock that produces a clock signal having clock signal level transitions," or that the decision of which transmission mode to use is based on which mode "will allow the serial transmission of said data to occur in *the least number of clock signal level transitions*," as recited in Applicant's claim 5.

Wu discloses an apparatus for adaptively compressing digital video data provided in the form of a superblock. Wu provides three compression modes for compressing the blocks of data contained in the superblock. The three compression modes are applied to each of the blocks of data and the results are compared to determine which compression mode yields the least amount of data for each block for transmission to a receiver. (Abstract, Col. 3, lines 37-52).

There is no disclosure in Wu of *serial* transmission or reception of data, and therefore there is no equivalent "serial data transmitting component," or "a clock that produces a signal having clock signal level transitions" as recited in Applicants claim 5. In addition, Wu bases the decision on which compression mode to use on the size of the resultant compressed data, whereas the present

application, as recited in claim 5, bases the decision of which transmission mode to use depending on which mode results in the least number of clock signal level transitions of the clock signal.

Because Wu does not disclose “a *serial* data transmitting component,” or “a clock that produces a clock signal having clock signal level transitions,” or that decision that the decision of which transmission mode to use is based on which mode “will allow the serial transmission of said data to occur in *the least number of clock signal level transitions*,” as recited in claim 5, Applicant respectfully submits that Wu does not anticipate claim 5.

Similarly, Applicant’s claims 6 and 13, as amended, recite “*serial* data receiving component,” and “an analysis means to identify a communication mode of *serially received data* based on a received mode information.” As discussed above regarding claim 5, there is no disclosure by Wu of serial communications, therefore, Applicant respectfully submits that Wu also does not anticipate claims 6 and 13.

Similar to claim 5, Applicant’s claim 12, as amended, recites “a *serial* data transmitting component” that comprises “a clock that produces a clock signal having clock signal level transitions,” and the decision of which transmission mode to use is base on which mode “will allow the serial transmission of said data to occur in *the least number of clock signal level transitions*.” Therefore, for



reasons similar to those discussed above regarding claim 5, Applicant respectfully submits that Wu does not anticipate claim 12.

Claims 10 and 11 variously depend from claim 5. Therefore, for at least the reasons stated above regarding claim 5, Applicant respectfully submits that claims 10 and 11 are also not anticipated by Wu.

For at least those reasons stated above, it is respectfully submitted that claims 5, 6 and 10-13 are not anticipated by Wu.

New claim 26 recites a "method for serial communications" wherein there is "a first *serial* transmission mode" and "a second *serial* transmission mode." However, there is no discussion in Wu of serial communications, or serial transmission modes. For at least this reason, Applicant respectfully submits that claim 26 is patentably distinguishable over Wu. New claim 27 depends from claim 26, and therefore, for at least this reason, Applicant's claim 27 is patentably distinguishable over Wu.


All outstanding objections and rejections having been addressed, is respectfully submitted that the present application is in condition for allowance. Notice to this effect is earnestly solicited. If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

Serial No. 09/937,611  
Amendment Dated: April 26, 2006  
Reply to Office Action Mailed: October 27, 2005  
Attorney Docket No. 010642.50458US

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #010642.50458US).

Respectfully submitted,

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